

ABSTRACT

A paper feed roller which can secure rigidity and precision and can cut the machining cost and material cost, as well as a fabrication method thereof are provided.

A paper feed roller (10) comprises a hollow pipe member (11) forming a paper feed portion for feeding paper, and a pair of shaft members (12) fastened concentrically on to both end portions of the pipe member (11). The pipe member (11) comprises a hollow steel pipe (13), a synthetic resin coating layer (14) for covering an outer surface of the steel pipe (13), and a synthetic resin friction coating layer (18) containing hard particles (16) formed on an outer surface of the coating layer (14). A steel pipe (for example, an artificial bamboo) covered with a synthetic resin coating layer is applicable as material of the pipe member (11), and after fastening the shaft members (12) on to the both ends of this material, a part of the outer surfaces of the shaft members (12) and an entire outer surface of the coating layer (14) are machined smoothly, and then the synthetic resin friction coating layer (18) is formed.